GOVERNMENT OF INDIA
SPACE
LOK SABHA

UNSTARRED QUESTION NO:1702
ANSWERED ON:28.11.2001
SATELLITE LAUNCH
AJAY SINGH CHAUTALA

Will the Minister of SPACE be pleased to state:

(a) the number of satellites launched by the Government during the last three years and till now alongwith details;

(b) the expenditure incurred on each of the above satellite and the multiple uses thereof;

(c) whether the above satellites are used by foreign countries;

(d) if so, the income earned through them; and

(e) the percentage of indigenous technology in the above satellites?

Answer

THE MINISTER OF STATE OF THE MINISTRY OF SMALL SCALE INDUSTRIES, MINISTER OF STATE IN THE MINISTRY PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS, MINISTER OF STATE IN THE MINISTRY OF PLANNING AND MINISTE OF STATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND DEPARTMENT OF SPACE (SMT.VASUNDHARA RAJE)

(a) & (b) India has launched FIVE satellites in the last 3 years. The details of the satellites, their cost and the uses are given below :

1. INSAT-2E: This satellite was launched by Ariane rocket on 3rd April 1999. It contains 17 C-band transponders and Meteorological payload. The cost of the satellite including launch and insurance is Rs. 475 crores. The satellite is providing communication services and meteorological data.

2. IRS-P4:This Satellite was launched on 26th May 1999 by India`s Polar Satellite Launch Vehicle along with two foreign auxiliary satellites. This contains Ocean Colour Monitor and Multi-frequency scanning microwave radiometer for study of ocean. The cost of the satellite is Rs. 47.75 crores. The satellite is providing valuable data for Ocean and coastal studies.

3. INSAT-3B: This Satellite was launched on 22nd March 2000 by Ariane rocket. This contains 12 C-band, 3 Ku-band transponders and Mobile Satellite Services.The cost of the satellite including launch and insurance is Rs. 495 crores. The satellite is providing communication services to various users.

4. GSAT-1: This experimental Satellite was launched on 18th April 2001 by the first development flight of India`s Geosynchronous Satellite Launch Vehicle (GSLV).The satellite is being used to test certain spacecraft & payload related technologies. The cost of the satellite is Rs. 31.15 crores.

5. Technology Experiment Satellite (TES): This satellite was launched on 22nd October 2001 by India`s Polar Satellite Launch Vehicle along with two foreign auxiliary satellites. The satellite carries a panchromatic camera of 1-metre resolution for remote sensing applications. The satellite is used to test critical technologies related to future imaging system. The cost of the satellite is Rs. 47.50 crores.

(c) & (d) Part of the transponder capacity of INSAT-2E satellite is leased to International Telecommunication Organisation (INTELSAT) at US $10 Million per annum. The scientific data from IRS-P4 satellite is made available to research users in Germany, South Korea and USA on co-operative basis and no fees are levied for the usage of the data.

(e) The design, development, fabrication, assembly, integration and testing of all the above satellites are indigenously carried out. Only, some of the electronic components required are being imported.